REMEDIAL SITE ASSESSMENT DECISION - EPA REGION 3

ORIGINAL

Site Name: 12th Street Dump Site (aka 12th Street Landfill) **EPA ID#:** DESFN035510 **DSN:** DE-
Alias Site Names:

City: Wilmington **County:** New Castle **State:** DE
Refer to Report Dated: December 18, 2009 **Report type:** Preliminary Assessment
Report developed by: US EPA

DECISION:

|XX| 1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:

[XX] N-NFRAP-No further Remedial
[ ] A-Addressed as part of an existing NPL site (site will be entered if this is selected)
[ ] D-Deferred to RCRA
[ ] B-Addressed as part of another non-NPL site
[ ] W-Referred to Removal, no further Rmdl Asmt
[ ] DN-Deferred to NRC
[ ] SA Recommended as a SF Alternative Site

DISCUSSION/RATIONALE:

12th Street Dump Site (aka 12th Street Landfill)
Wilmington, DE 19802

12th Street Dump Site (aka 12th Street Landfill): EPA/Superfund assigns the **No Further Response Action Planned** (NFRAP) qualifier, assigns No **Further Response Action Planned (NF)** Non-NPL status based on the EPA Emergency Response's oversight (OSC Michael Towle) of cleanup that included placing a cover over the contaminated soil, removing the remaining contaminated soil, and changing the portion of the Brandywine Creek's shore. 12th Street Dump Site's cleanup cost $2.1 million (completed in June 2001). 12th Street Dump's State contact is Lindsey Hall/ Federal contacts are OSC Michael Towle and SAM James Hargett.

12th Street Dump Site is owned by the Wilmington Economic Development. The 12th Street Dump Site covers 20-acre old dump of old industrial hoses and related debris from an adjacent factory in proximity to the Brandywine Creek's shore.

In July 1999, 12th Street Dump Site's releases came to EPA-Superfund's attention via DNREC. 12th Street Dump Site's contaminant(s) of concern include lead, arsenic, chromium and other metals as well as bis (2-ethylhexyl) phthalate and toluene in drum releases to surface water and soil. 12th Street Dump Site's releases were an average of 164,000 ppm lead in soil and 19,500 ppm lead in sediment. EPA minimized the 12th Street Dump Site's release and erosion by changing the portion of the Brandywine Creek's shore and placing a cover over the contaminated soil. EPA removed the temporary silt fencing, the temporary vegetation, the temporary on-site retention pond at the 12th Street Dump Site. EPA installed an articulated concrete blocks, the permanent soil cover, and the permanent vegetation to stabilize the Brandywine Creek's shore from future release or erosion. The 12th Street Dump Site's off-site removal involved 1000 tons of lead-contaminated soil while most contamination consolidated under the permanent cap. 12th Street Dump Site's cleanup started in April 2000 and completed in June 2001. The 12th Street Dump Site's removal activities cost $2.1 million.

Groundwater Migration Pathway:
The groundwater pathway did not appear to be significant risk to the public.

Surface Water Migration Pathway:
12th Street Dump Site's releases were an average of 19,500 ppm lead in sediment. EPA minimized the 12th Street Dump Site's release and erosion by changing the portion of the Brandywine Creek's shore and placing a cover over the contaminated soil. EPA installed an articulated concrete blocks to stabilize the Brandywine Creek's shore from future release or erosion.

Soil Exposure Pathway:
12th Street Dump Site's releases were an average of 164,000 ppm lead in soil. EPA installed the permanent soil cover, and the permanent vegetation to stabilize the Brandywine Creek's shore from future release or erosion. The 12th Street Dump Site's off-site removal involved 1000 tons of lead-contaminated soil while most contamination consolidated under the permanent cap.

Air Migration Pathway: The air migration pathway was not evaluated at this time since there was no indication that this pathway posed a threat to human health or the environment.

Report Reviewed/Approved and Site Decision Made By: James J. Hargett Jr, Site Assessment Manager **Signature:** **Date:** 03/10/10

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